

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Artemisia vulgaris***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	ADENINE	Plant	--	--		
32	AESCULETIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
33	AESCULIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
10	ALPHA-AMYRIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	ALPHA-AMYRIN-ACETATE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	ALPHA-CADINOL	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
28	ALPHA-PINENE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	ALPHA-THUJONE	Plant	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	ARSENIC	Plant	--	--		Chem. & Pharm. Bull. 38: 2205.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Leaf	720	5670	0.08218365242159696	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Leaf	21	168	-0.4063081344758354	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	BETA-PINENE	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	BORNEOL	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
28	CALCIUM	Leaf	820	6455	-0.8187141900891122	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Plant	8000	11000	-0.2769785955240667	Chem. & Pharm. Bull. 38: 2205.
28	CALCIUM	Shoot	8600	8600	-0.4481240983092407	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
41	CAMPHOR	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
7	CHLORINE	Plant	7900	11000	1.0564720140341104	Chem. & Pharm. Bull. 38: 2205.
20	CHOLINE	Leaf	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
24	CHROMIUM	Plant	11	22	1.1876248073418103	Chem. & Pharm. Bull. 38: 2205.
3	CIS-DEHYDROMATRICARIA-ESTER	Flower	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CIS-DEHYDROMATRICARIA-ESTER	Root	8.5	13.3		Chemical Constituents of Oriental Herbs (3 diff. books)
12	COPPER	Plant	18	20	0.6626022066114992	Chem. & Pharm. Bull. 38: 2205.
57	COUMARIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
15	FIBER	Leaf	34000	267700	1.3128529532608677	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
19	INULIN	Root	100000	100000	-0.8547644258815559	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	IODINE	Plant	--	--		Chem. & Pharm. Bull. 38: 2205.
6	IRON	Leaf	15	118	-0.6214791128852977	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Plant	1200	3900	3.854475582015632	Chem. & Pharm. Bull. 38: 2205.
53	LINALOOL	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
7	LINALYL-ACETATE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
65	MAGNESIUM	Shoot	2700	2700	-0.6633451957513414	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	MANGANESE	Plant	160	170	0.5235167081713723	Chem. & Pharm. Bull. 38: 2205.
2	MOLYBDENUM	Plant	--	--		Chem. & Pharm. Bull. 38: 2205.

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22	MYRCENE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
10	NEROL	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
5	NERYL-ACETATE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
39	NIACIN	Leaf	30	235	1.6724841687868186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	NICKEL	Plant	--	--		Chem. & Pharm. Bull. 38: 2205.
4	PHOSPHORUS	Plant	270	700	-1.388106682219866	Chem. & Pharm. Bull. 38: 2205.
4	PHOSPHORUS	Shoot	1900	1900	-0.6749691389697999	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	400	3150	-0.33512391555136806	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Plant	31400	41000	1.3391843865534407	Chem. & Pharm. Bull. 38: 2205.
14	POTASSIUM	Shoot	22000	22000	-0.13023841270469833	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	QUERCETIN-3'-GLUCOSIDE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

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4	QUERCETIN-3-RHAMNOGLUCOSIDE	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
15	RIBOFLAVIN	Leaf	1.6	13	-0.11692421020247182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
87	RUTIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
44	SCOPOLETIN	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
12	STIGMASTEROL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SULFUR	Plant	2300	2800	-0.4501644139144041	Chem. & Pharm. Bull. 38: 2205.
18	TERPINEOL	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
31	THIAMIN	Leaf	1.5	12	0.7701228842235702	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	TRANS-DEHYDROMATRICARIA-ESTER	Root	1.4	1.4		Chemical Constituents of Oriental Herbs (3 diff. books)
22	UMBELLIFERONE	Plant	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
4	VULGARIN	Plant	--	--		
77	ZINC	Plant	50	90	0.3733733555657003	Chem. & Pharm. Bull. 38: 2205.